

Amendments to the Claims

Amend claims 1-4, 7, 11, 14, 18 & 21 as set forth below. In accordance with current amendment practice, changes in the amended claims are shown by underlining (for added matter) and strikethrough (for deleted matter).

1. (Currently Amended) A method of recovery from failures within a shared nothing distributed computing environment, said method comprising:

detecting ~~a failure~~ multiple overlapping failures within said shared nothing distributed computing environment; and

automatically recovering from said ~~failure~~ multiple overlapping failures, wherein one or more transactions affected by ~~said failure~~ one or more failures of said multiple overlapping failures are automatically executed to completion without rolling back said one or more transactions and without requiring a reposting of said one or more transactions.

2. (Currently Amended) A system of recovery from failures within a shared nothing distributed computing environment, said system comprising:

means for detecting ~~a failure~~ multiple overlapping failures within said shared nothing distributed computing environment; and

means for automatically recovering from said ~~failure~~ multiple overlapping failures, wherein one or more transactions affected by ~~said failure~~ one or more failures of said multiple overlapping failures are automatically executed to completion without rolling back said one or more transactions and without requiring a reposting of said one or more transactions.

3. (Currently Amended) At least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method of recovery from failures within a shared nothing distributed computing environment, said method comprising:

detecting a ~~failure~~ multiple overlapping failures within said shared nothing distributed computing environment; and

automatically recovering from said ~~failure~~ multiple overlapping failures, wherein one or more transactions affected by ~~said failure~~ one or more failures of said multiple overlapping failures are automatically executed to completion without rolling back said one or more transactions and without requiring a reposting of said one or more transactions.

4. (Currently Amended) The method of claim 1, wherein the shared nothing distributed computing environment comprises a processing group with a plurality of members, and wherein the detecting comprises detecting ~~a failure of at least one~~ multiple overlapping failures of at least some of the plurality of members.

5. (Previously Presented) The method of claim 4, wherein the recovering comprises synchronizing messages regarding the one or more transactions among surviving members of the processing group.

6. (Previously Presented) The method of claim 5, wherein the recovering further comprises committing the one or more transactions.

7. (Currently Amended) The method of claim 4, wherein at least one member of the processing group survives the ~~failure~~ failures, and wherein the recovering comprises electing a coordinator from among the at least one surviving member.

8. (Previously Presented) The method of claim 7, wherein the recovering further comprises receiving by the coordinator a list of the one or more transactions from the other surviving members.

9. (Previously Presented) The method of claim 8, wherein the recovering further comprises receiving by the coordinator any commit protocol messages for the one or more transactions the coordinator does not already have.

10. (Previously Presented) The method of claim 9, wherein the coordinator initiates the commit protocol for the one or more transactions.

11. (Currently Amended) The system of claim 2, wherein the shared nothing distributed computing environment comprises a processing group with a plurality of members, and wherein the means for detecting comprises means for detecting ~~a failure of at least one~~ multiple overlapping failures of at least some of the plurality of members.

12. (Previously Presented) The system of claim 11, wherein the means for recovering comprises means for synchronizing messages regarding the one or more transactions among surviving members of the processing group.

13. (Previously Presented) The system of claim 12, wherein the means for recovering further comprises means for committing the one or more transactions.

14. (Currently Amended) The system of claim 11, wherein at least one member of the processing group survives the ~~failure~~ failures, and wherein the means for recovering comprises means for electing a coordinator from among the at least one surviving member.

15. (Previously Presented) The system of claim 14, wherein the means for recovering further comprises means for receiving by the coordinator an indication of the one or more transactions from the other surviving members.

16. (Previously Presented) The system of claim 15, wherein the means for recovering further comprises means for receiving by the coordinator any commit protocol messages for the one or more transactions the coordinator does not already have.

17. (Previously Presented) The system of claim 16, wherein the means for recovering further comprises means for the coordinator to initiate the commit protocol for the one or more transactions.

18. (Currently Amended) The at least one program storage device of claim 3, wherein the shared nothing distributed computing environment comprises a processing group with a plurality of members, and wherein the detecting comprises detecting a failure of at least one multiple overlapping failures of at least some of the plurality of members.

19. (Previously Presented) The at least one program storage device of claim 18, wherein the recovering comprises synchronizing messages regarding the one or more transactions among surviving members of the processing group.

20. (Previously Presented) The at least one program storage device of claim 19, wherein the recovering further comprises committing the one or more transactions.

21. (Currently Amended) The at least one program storage device of claim 18, wherein at least one member of the processing group survives the failure failures, and wherein the recovering comprises electing a coordinator from among the at least one surviving member.

22. (Previously Presented) The at least one program storage device of claim 21, wherein the recovering further comprises receiving by the coordinator a list of the one or more transactions from the other surviving members.

23. (Previously Presented) The at least one program storage device of claim 22, wherein the recovering further comprises receiving by the coordinator any commit protocol messages for the one or more transactions the coordinator does not already have.

24. (Previously Presented) The at least one program storage device of claim 23, wherein the coordinator initiates the commit protocol for the one or more transactions.

25. (Previously Presented) The method of claim 1, wherein the shared nothing distributed computing environment comprises a distributed synchronous transaction system, and wherein the method comprises a failure recovery method for the distributed synchronous transaction system.